



1623

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kudla *et al.*

Serial No.: 10/015,509

Filed: 12/13/2001

Title: Rapid Diagnostic Method for
Distinguishing Allergies and
Infections and Nasal Secretion
Collection Unit

Attorney Docket No.: UF156IBD4

Group Art Unit: 1623

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Commissioner for Patents
Washington, D.C. 20231INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

- under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- under 37 CFR 1.97(c) together with either a:
 Statement under 37 CFR 1.97(e), or
 a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- under 37 CFR 1.97(d) together with a:
 Statement under 37 CFR 1.97(e), and
 a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Applicant(s) submit herewith information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

Applicant(s) also submit herewith copies of Form PTO 1449-Information Disclosure Citations filed in parent application Serial Nos: 08/576,604 and 09/936,954. Under the provisions of 37 C.F.R. 1.98(d), since all references cited therein have been provided in parent application Serial Nos: 08/576,604 and 09/936,954, copies of cited references are not provided herewith. It is believed that this submission complies with the requirements of 37 C.F.R. 1.56.

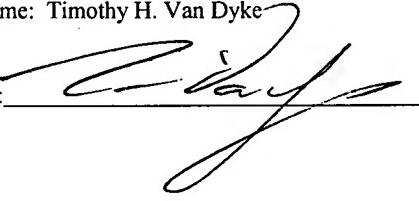
Applicant submits that the cited references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: March 14, 2003

Typed Name: Timothy H. Van Dyke

Signature: 

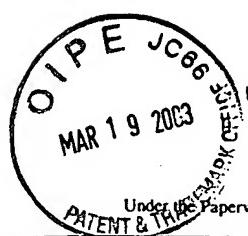
Respectfully submitted,



Timothy H. Van Dyke
Attorney/Agent for Applicant(s)
Reg. No. 43218

Date: March 14, 2003

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ATTORNEY OR FIRM NAME *[Redacted]*

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet

1

of

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<i>Complete if Known</i>	
Application Number	09/936,954
Filing Date	3/16/1999
First Named Inventor	Small
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	UF156IA

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/936,954
				Filing Date	3/16/1999
				First Named Inventor	Small
				Group Art Unit	1645
				Examiner Name	Unknown
				Attorney Docket Number	UF1561A
Sheet	2		2.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE								ATTY. DOCKET NO. UF156	SERIAL NO. 08/576,604
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)								APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang	
								FILING DATE December 21, 1995	GROUP 1208

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3	4	3	8	7	3	7	4/15/69	Atkinson et al.			
	AB	4	3	0	1	1	1	5	11/17/81	Rapkin et al.			
	AC	4	6	3	7	9	7	9	1/20/87	Skjold et al.			
	AD	4	6	4	5	8	4	2	2/24/87	Corey			
	AE	4	6	5	7	8	5	5	4/14/87	Corey et al.			
	AF	4	7	0	4	4	6	0	11/3/87	Corey			MAR 21 2003
	AG	4	7	5	8	5	0	8	7/19/88	Schnabel et al.			
	AH	3	3	5	9	0	7	2	12/19/67	Rey et al.			TECH CENTER 1600/2900
	AI	3	4	1	8	0	7	9	12/24/68	Rey et al.			
	AJ	3	7	1	2	8	5	3	1/23/73	Rittersdorf et al.			
	AK	3	8	9	7	2	1	4	7/29/75	Lange et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO
	AL								
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		Service, R.F. (1995) "Antibiotics that Resist Resistance" Science 270:724-727.
AS		Wang, D. et al. (1995) "Correlations between Complaints, Inflammatory Cells and Mediator Concentrations in Nasal Secretions after Nasal Allergen Challenge and during Natural Allergen Exposure" Int. Arch. Allergy Immunol. 106:278-285.
AT		Sigurs, N. et al. (1994) "Eosinophil cationic protein in nasal secretion and in serum and myeloperoxidase in serum in respiratory syncytial virus bronchiolitis: relation to asthma and atopy" Acta. Paediatr. 83:1151-1155.

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AA		3	8	0	2	8	4	2	Länge et al.			
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AC		4	3	8	5	1	1	4	Güthlein et al.			
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Okuda, M. et al. (1994) "A Novel Method of Counting Eosinophils in Nasal Secretion of Allergic Rhinitis by Hemocytometric Method" Int. Arch. Allergy Immunol. 104:6-8.
AS	Grzegorezyk, K.M.L et al. (1993) "Neutrophil chemotactic activity (NCA) in nasal secretions from atopic and nonatopic subjects" Aergy 48:409-414.
AT	Igarashi, Y. et al. (1993) "Immunodeficiency and other clinical immunology: Analysis of nasal secretions during experimental rhinovirus upper respiratory infections" J. Aergy Clin. Immunol. 92:722-731.

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PTO-149 REV. 7-80)	MAR 19 2003	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. UF156	SERIAL NO. 08/576,604
INFORMATION DISCLOSURE STATEMENT <small>(use several sheets if necessary)</small>			APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang	
			FILING DATE December 21, 1995	GROUP 1208

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Sperber, K. et al. (1993) "In vivo detection of a novel macrophage-derived protein involved in the regulation of nasal mucus-like glycoconjugate secretion" J. Allergy Clin. Immunol. 92:585-588.
AS	Knani, J. et al. (1992) "Indirect evidence of nasal inflammation assessed by titration of inflammatory mediators and enumeration of cells in nasal secretions of patients with chronic rhinitis" J. Allergy Clin. Immunol. 90:880-889.
AT	Klementsson, H. et al. (1991) "Eosinophils, secretory responsiveness and glucocorticoid-induced effects on the nasal mucosa during a weak pollen season" Clinical and Experimental Allergy 21:705-710.

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PTO-1449
REV. 7-80

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(List general sources if necessary)

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Raphael, G.D. et al. (1991) "The pathophysiology of rhinitis" J. Allergy Clin. Immunol. 88:33-42.
	Cohen, R.A., E.P. Brestel (1988) "Nasal secretory response to allergen provocation" Clinical Allergy 18:435-443.
AT	Liu, C.-M., M. Okuda (1988) "Injurious effect of eosinophil extract on the human nasal mucosa" Rhinology 26:121-132.

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AR	Andersson, M. et al. (1987) "Allergen-induced nasal hyperreactivity appears unrelated to the size of the nasal and dermal immediate allergic reaction" Allergy 42:631-637.
	Settipane, G.A., D.E. Klein (1985) "Non Allergic Rhinitis: Demography of Eosinophils in Nasal Smear, Blood Total Eosinophil Counts and IgE Levels" NER Allergy Proc. 6(4):363-366.
AS	Brofeldt, S. et al. (1986) "Biochemical Analysis of Nasal Secretions Induced by Methacholine, Histamine, and Allergen Provocations" Am. Rev. Respir. Dis. 133:1136-1142.
AT	

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Egginton, P.A. et al. (1984) "Mediators of Immediate Hypersensitivity in Nasal Secretions during Natural Colds and Rhinovirus Infection" Acta. Otolaryngol (Stockh) suppl. 413:25-35.
AS	Baumgarten, C.R. et al. (1986) "Plasma Kallikrein during Experimentally Induced Allergic Rhinitis: Role in Kinin Formation and Contribution to TAME-esterase Activity in Nasal Secretions" The Journal of Immunology 137(3):977-982.
AT	Andersson, M. et al. (1995) "Mechanisms of nasal hyper-reactivity" Eur. Arch. Otorhinolaryngol 252 (Suppl. 1):S22-S26.

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Florman, A.L. et al. (1987) "Rapid Noninvasive Techniques for Determining Etiology of Bronchitis and Pneumonia in Infants and Children" Clinics in Chest Medicine 8(4):669-679.
AS	Katz, R.M. et al. (1995) "A Comparison of Imaging Techniques in Patients with Chronic Sinusitis (X-ray, MRI, A-Mode Ultrasound)" Allergy Proc. 16(3):123-127.
AT	Demoly, P. et al. (1994) "Assessment of inflammation in noninfectious chronic maxillary sinusitis" J. Allergy Clin. Immunol. 94:95-108.

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